Markforged

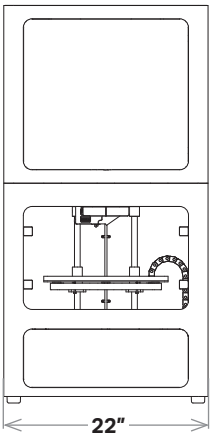
PRODUCT SPECIFICATIONS

Metal X

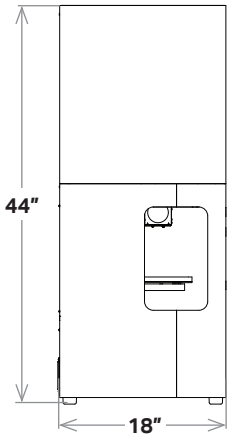
The Metal X is the world's first Atomic Diffusion Additive Manufacturing (ADAM) machine. It's up to 10x less expensive than alternative metal additive manufacturing technologies — and up to 100x less than traditional fabrication technologies like machining or casting. Affordable, reliable, and easy to use, the Metal X print system gives you everything you need to go from design to fully functional metal parts faster than ever before.

Printer Properties	**Process**	Atomic Diffusion Additive Manufacturing (ADAM)
	Build Volume	300 x 220 x 180 mm (11.8 x 8.7 x 7.1 in)
	Machine Size	575 x 467 x 1120 mm (22.7 x 18.4 x 44.1 in), 75 kg (160 lbs)
	Print Chamber	Heated
	Print Bed	Heated, Vacuum Sealed Print Sheet, Auto Bed Leveling
	Print System	2 Nozzles — Metal Material and Support Release
	Power Requirements	100-240 VAC, 2400 W (20 A peak), IEC60320 Type C20
Part Properties	**Max Part Size**	250 x 183 x 150 mm (9.8 x 7.2 x 5.9 in), 10kg
	Supports	Same Material with Ceramic Release Layer
	Resolution	50 - 200 µm
Software	**Supplied Software**	Cloud Storage, Local Storage, or On-Premise ($5,000 fee)
	Security	Two-Factor Authentication, Org Admin Access, Single Sign-On
Materials	**Launch Material**	Stainless Steel (17-4 PH, 316L) Tool Steel (H13, A2, D2), Titanium Ti6Al4V, Inconel (IN) 625
	Support Material	Ceramic (consumed at 1:10 ratio to metal spools, on average)
	Media (Spools)	Filament Fed, Bound Powder

FRONT VIEW



SIDE VIEW



Note: All specifications are approximate and subject to change without notice